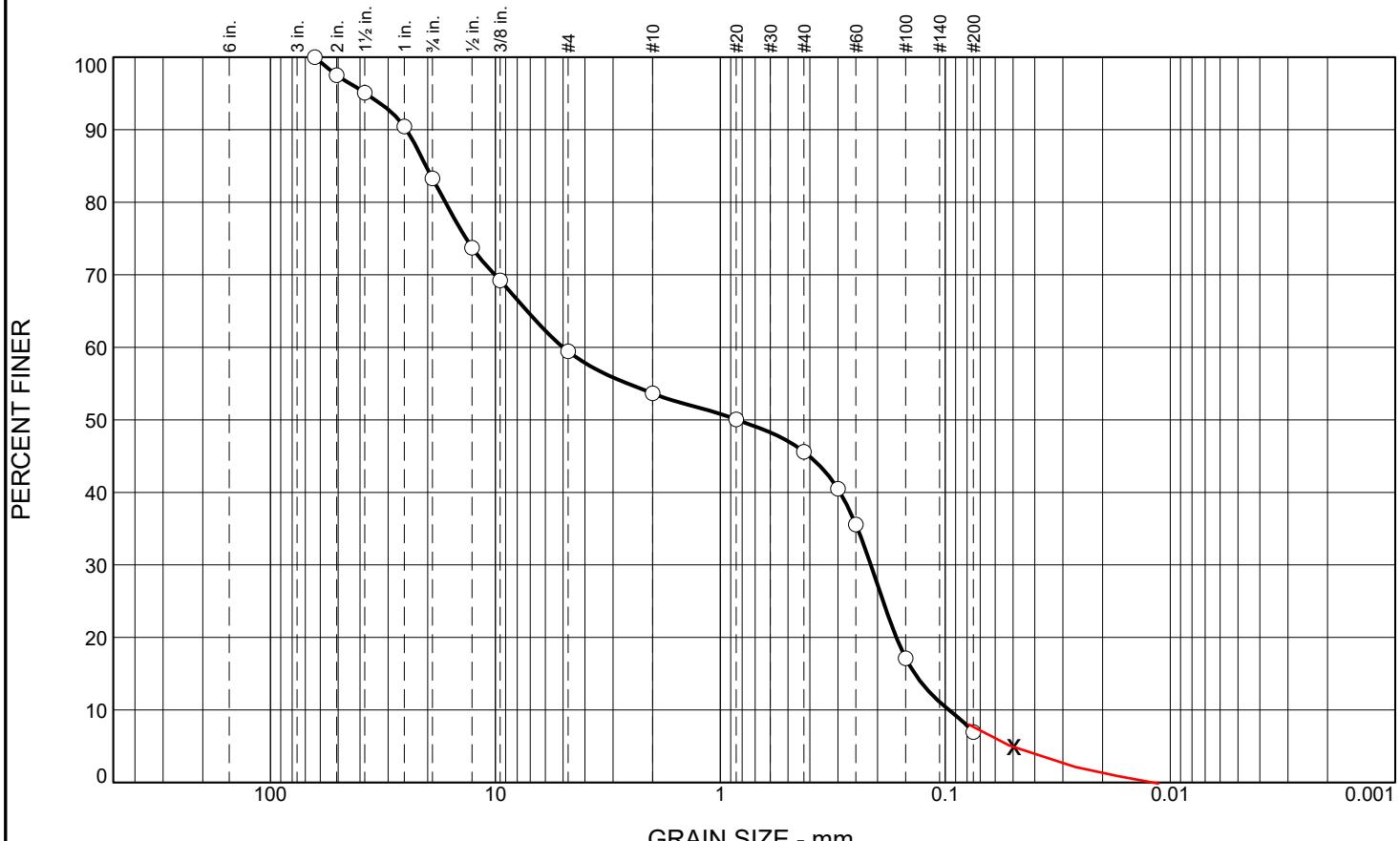


Figure 1: SOIL TEXTURAL TRIANGLE

Table Summary of soil texture analysis based on sieve analysis, 65 Farm Rd, Sherborn, MA

Soil Sample	Location	Sand, silt, and Clay composition				Soil texture per USDA
		Sand % 0.05-2 mm	Silt % 0.002-0.05 mm	Clay % <0.002 mm	Total %	
S1	lower edge of SAS	92.53	5.6	1.87	100	medium sand
S2	upper edge of SAS	73.66	24.56	1.78	100	medium loamy sand
SA1	Stormwater Basin A	66.1	30.5	3.4	100	medium sand loam
SB-1	Stormwater Basin B-1	97.91	2.09	0	100	fine medium sand
SB-2	Stormwater Basin B-2	75.64	22.86	1.5	100	medium loamy sand
SC	Stormwater Basin C	91.46	6.71	1.83	100	medium sand

Particle Size Distribution Report



SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2-1/2"	100.0		
2"	97.5		
1.5	95.1		
1	90.4		
.75	83.3		
.5	73.7		
3/8	69.2		
#4	59.4		
#10	53.6		
#20	50.0		
#40	45.6		
#50	40.5		
#60	35.6		
#100	17.1		
#200	7.0		

* (no specification provided)

Material Description		
Brown 2.5" max f/m sand and gravel trace silt		
USDA Class I Loamy Sand		
PL= NP	LL= NV	PI= NP
Atterberg Limits		
D ₈₅ = 20.3667	D ₆₀ = 5.0006	D ₅₀ = 0.8422
D ₃₀ = 0.2143	D ₁₅ = 0.1366	D ₁₀ = 0.0962
C _u = 51.96	C _c = 0.10	
Coefficients		
USCS= SP-SM	AASHTO= A-1-b	
Classification		
Remarks		
Sample submitted by client on 01/03/24		

Sample No.: L-33929
Location: S-1 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

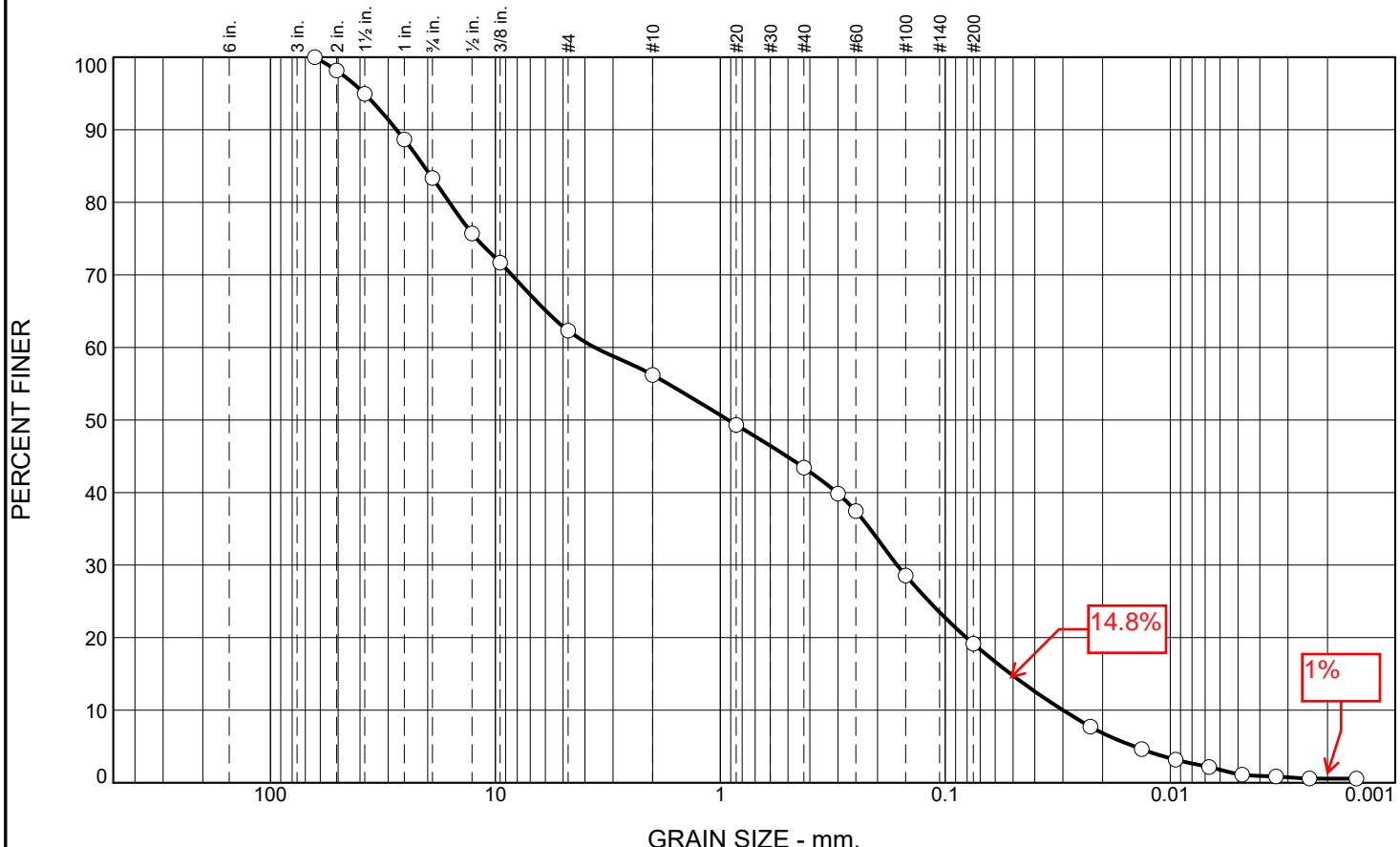
**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK

Checked By: SMM

Particle Size Distribution Report



SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2.5"	100.0		
2"	98.2		
1.5	95.0		
1	88.7		
.75	83.4		
.5	75.7		
3/8	71.7		
#4	62.3		
#10	56.2		
#20	49.3		
#40	43.4		
#50	39.8		
#60	37.4		
#100	28.6		
#200	19.2		

<u>Material Description</u>		
Brown 2.5" max silty sand and gravel		
USDA Class I Loamy Sand		
PL= NP	LL= NV	PI= NP
D ₈₅ = 20.7906	D ₆₀ = 3.6143	D ₅₀ = 0.9228
D ₃₀ = 0.1638	D ₁₅ = 0.0511	D ₁₀ = 0.0300
C _u = 120.63	C _c = 0.25	
<u>Classification</u>		
USCS= SM		AASHTO= A-1-b
<u>Remarks</u>		
Sample submitted by client on 01/03/24		

* (no specification provided)

Sample No.: L-33931
Location: S-2 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

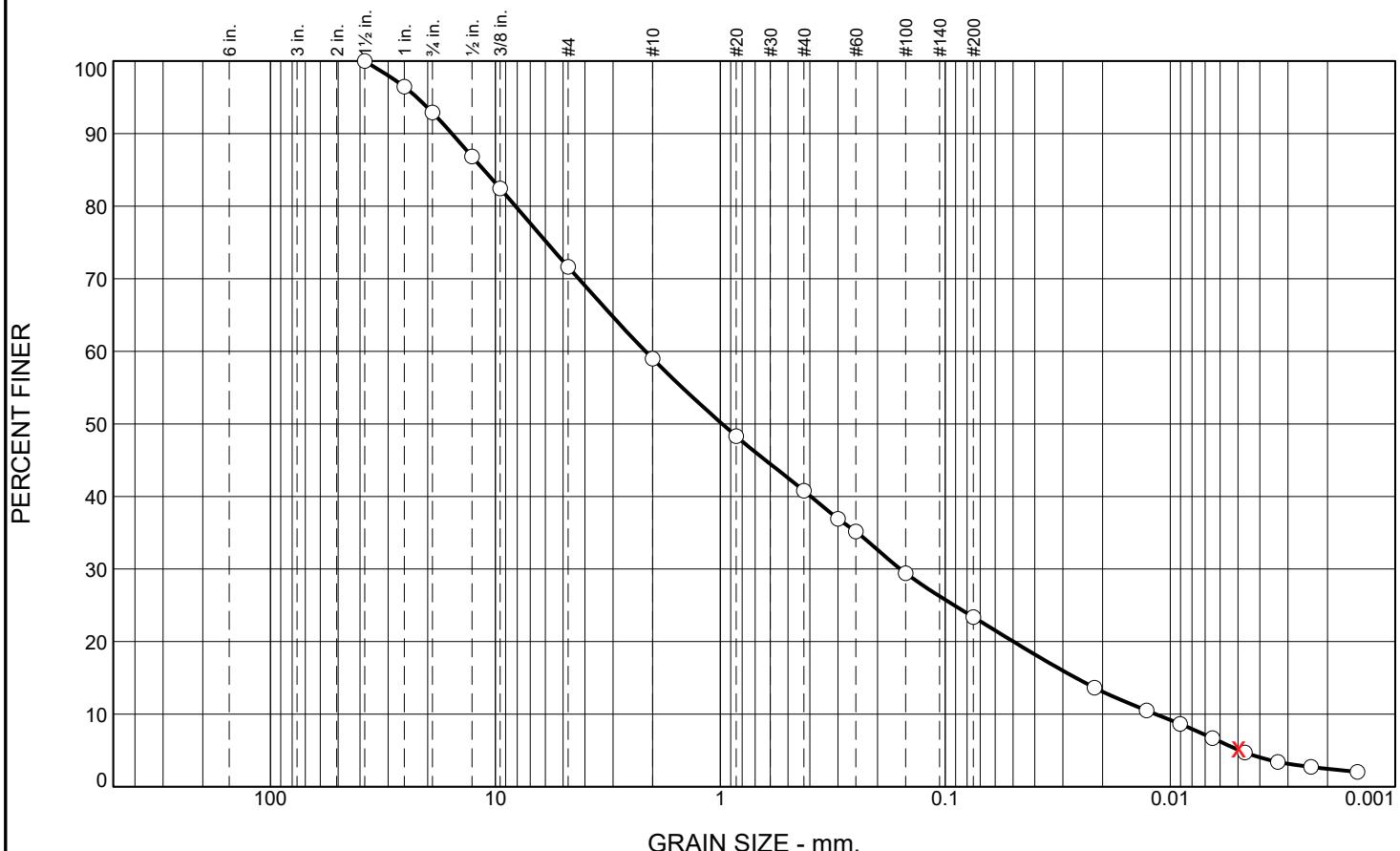
**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No.: 15027

Tested By: AK / AH

Checked By: SMM

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
	0.0	7.1	21.3	12.6	18.2	17.4	5.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5	100.0		
1	96.5		
.75	92.9		
.5	86.8		
3/8	82.4		
#4	71.6		
#10	59.0		
#20	48.3		
#40	40.8		
#50	36.9		
#60	35.2		
#100	29.4		
#200	23.4		

Material Description		
Light brown 1.5" max silty sand some gravel USDA Class II Sandy Loam		
PL= NP	LL= NV	PI= NP
Atterberg Limits		
D ₈₅ = 11.2532	D ₆₀ = 2.1529	D ₅₀ = 0.9818
D ₃₀ = 0.1587	D ₁₅ = 0.0263	D ₁₀ = 0.0116
C _u = 185.43	C _c = 1.01	
Coefficients		
USCS= SM	AASHTO= A-1-b	
Classification		
Remarks Sample submitted by client on 01/03/24		

* (no specification provided)

Sample No.: L-33926
Location: SA-1 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

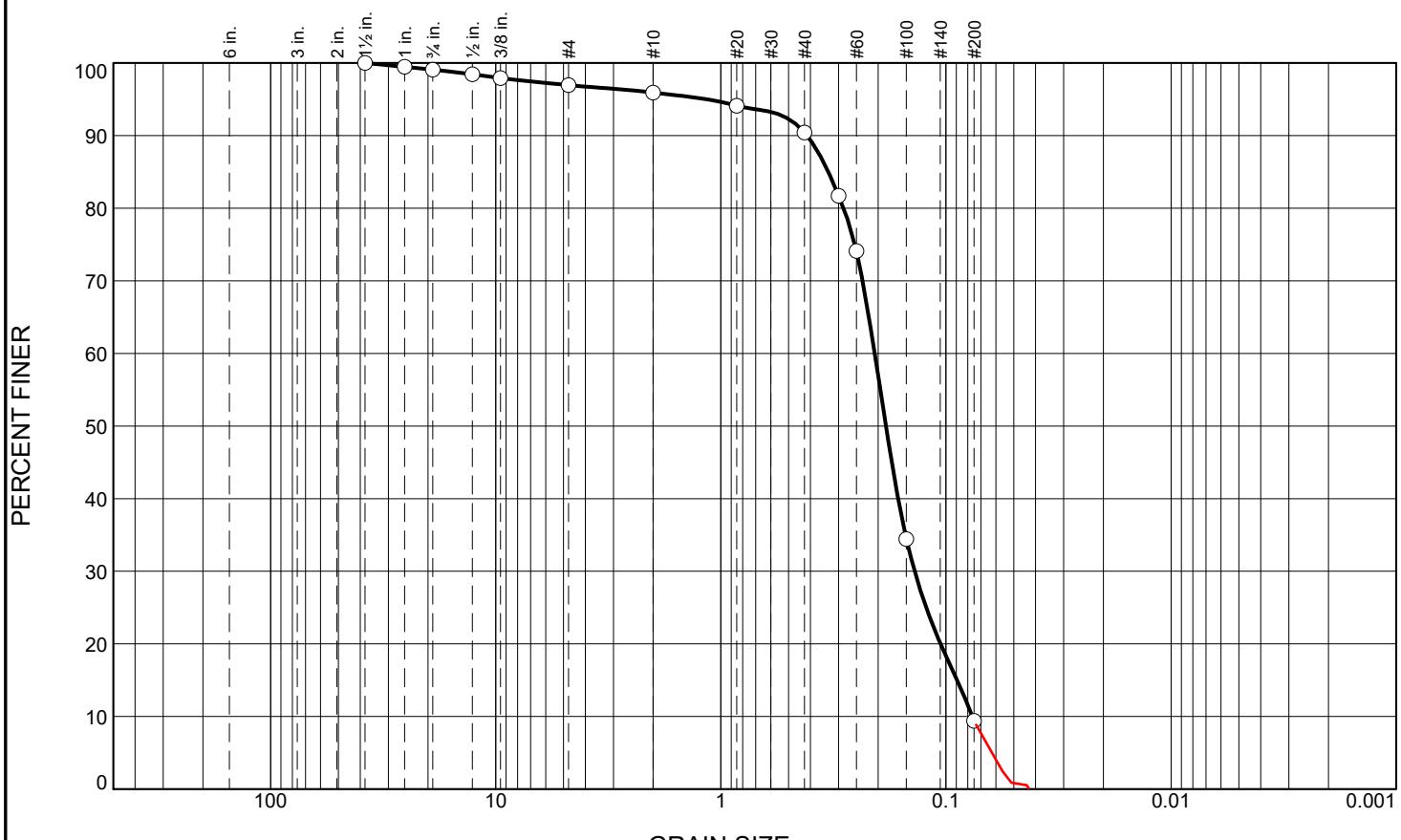
**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK / AH

Checked By: SMM

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.9	2.2	1.0	5.5	81.0	9.4	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5	100.0		
1	99.5		
.75	99.1		
.5	98.5		
3/8	97.9		
#4	96.9		
#10	95.9		
#20	94.1		
#40	90.4		
#50	81.7		
#60	74.1		
#100	34.4		
#200	9.4		

<u>Material Description</u>		
Brown fine sand trace silt trace gravel USDA Class I Loamy Sand		
PL= NP	LL= NV	PI= NP
<u>Atterberg Limits</u>		
D ₈₅ = 0.3335	D ₆₀ = 0.2073	D ₅₀ = 0.1847
D ₃₀ = 0.1378	D ₁₅ = 0.0893	D ₁₀ = 0.0763
C _u = 2.72	C _c = 1.20	
<u>Coefficients</u>		
USCS= SP-SM	AASHTO= A-3	
<u>Classification</u>		
Remarks Sample submitted by client on 01/03/24		

* (no specification provided)

Sample No.: L-33928
Location: SB-1 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

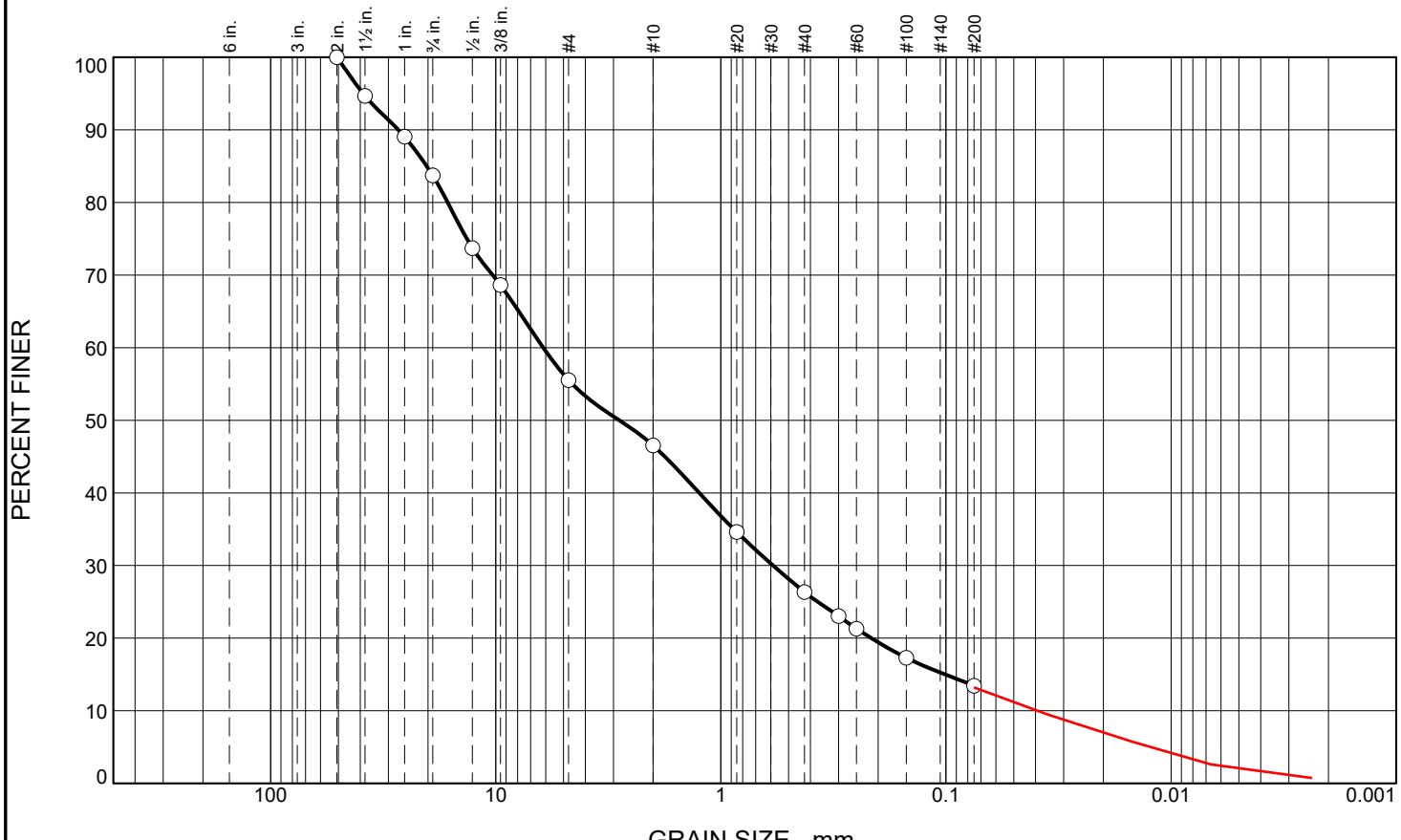
**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No.: 15027

Tested By: AK

Checked By: SMM

Particle Size Distribution Report



SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2"	100.0		
1.5	94.7		
1	89.0		
.75	83.7		
.5	73.7		
3/8	68.6		
#4	55.5		
#10	46.5		
#20	34.6		
#40	26.4		
#50	23.0		
#60	21.3		
#100	17.3		
#200	13.4		

Material Description		
Brown 2" max silty gravel and sand USDA Class I Loamy Sand		
PL= NP	LL= NV	PI= NP
D ₈₅ = 20.2613	D ₆₀ = 6.1500	D ₅₀ = 2.8246
D ₃₀ = 0.5866	D ₁₅ = 0.1008	D ₁₀ =
C _u =	C _c =	
USCS= GM	AASHTO= A-1-a	
Remarks		
Sample submitted by client on 01/03/24		

* (no specification provided)

Sample No.: L-33930
Location: SB-2 Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

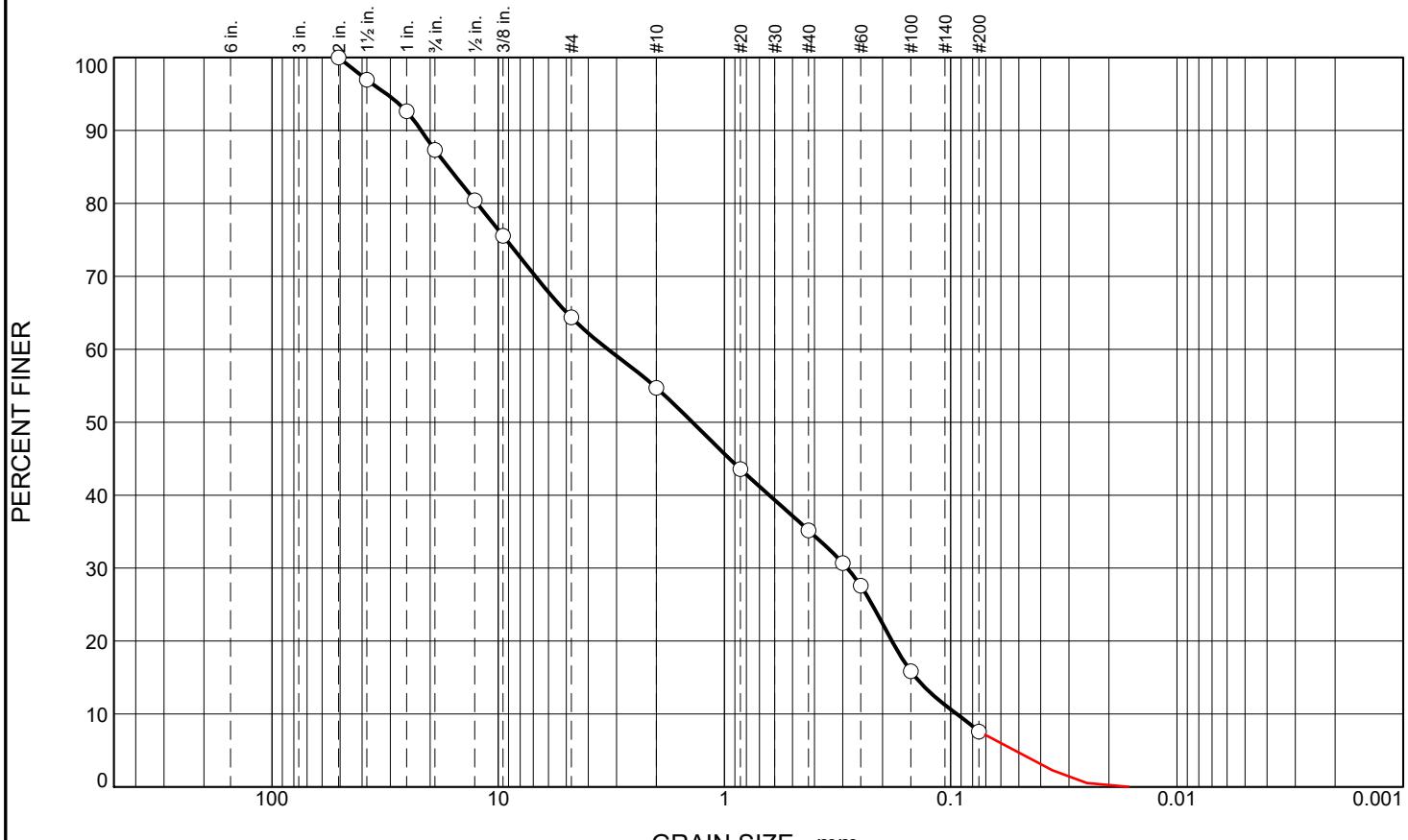
**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK

Checked By: SMM

Particle Size Distribution Report



SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2	100.0		
1.5	96.9		
1	92.6		
.75	87.3		
.5	80.4		
3/8	75.6		
#4	64.4		
#10	54.7		
#20	43.6		
#40	35.2		
#50	30.7		
#60	27.6		
#100	15.8		
#200	7.6		

Material Description		
Brown 2" max f/m sand and gravel trace silt USDA Class I Loamy Sand		
PL= NP	LL= NV	PI= NP
D ₈₅ = 16.6628	D ₆₀ = 3.2736	D ₅₀ = 1.3851
D ₃₀ = 0.2868	D ₁₅ = 0.1425	D ₁₀ = 0.0940
C _u = 34.84	C _c = 0.27	
USCS= SP-SM	AASHTO= A-1-b	
Remarks		
Sample submitted by client on 01/03/24		

* (no specification provided)

Sample No.: L-33927
Location: SC Sample

Source of Sample: Farm Rd - Sherborn MA

Date: 1/9/24
Elev./Depth: submitted

**YANKEE ENGINEERING
& TESTING, INC.**

Client: Creative Land & Water Eng., LLC
Project: Creative Land & Water Eng., LLC
Various Sites/Projects
Project No: 15027

Tested By: AK

Checked By: SMM